

PTO/SB/21 (08-03)

Approved for use through 08/30/2003. OMB 0651-0031
 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

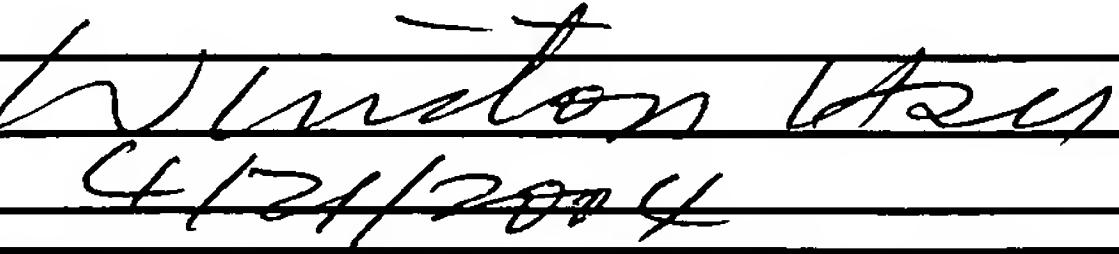
(to be used for all correspondence after initial filing)

| | | | |
|------------------------------------------------------------------------------------------------|----------------------|------------------------|-------------|
| TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i> | Application Number | 10/709,100 | |
| | Filing Date | 04/14/2004 | |
| | First Named Inventor | Cheng-Kuang Tseng | |
| | Art Unit | | |
| | Examiner Name | | |
| Total Number of Pages in This Submission | 3 | Attorney Docket Number | ACMP0096USA |

ENCLOSURES (Check all that apply)

| | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input checked="" type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please Identify below): |
| Remarks | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | |
|-------------------------|---------------------------------------------------------------------------------------|
| Firm or Individual name | Winston Hsu, Reg. No.: 41,526 |
| Signature |  |
| Date | 4/24/2004 |

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

| | | | |
|-----------------------|--|------|--|
| Typed or printed name | | | |
| Signature | | Date | |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/17 (10-03)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

| | | |
|-------------------------|------|------|
| TOTAL AMOUNT OF PAYMENT | (\$) | 0.00 |
|-------------------------|------|------|

Complete if Known

| | |
|----------------------|-------------------|
| Application Number | 10/709,100 |
| Filing Date | 04/14/2004 |
| First Named Inventor | Chéng-Kuang Tseng |
| Examiner Name | |
| Art Unit | |
| Attorney Docket No. | ACMP0096USA |

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Order Other None

Deposit Account:

| | |
|------------------------|-------------------------------------------|
| Deposit Account Number | 50-0801 |
| Deposit Account Name | North America International Patent Office |

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|------------------------|----------|
| 1001 770 | 2001 385 | Utility filing fee | |
| 1002 340 | 2002 170 | Design filing fee | |
| 1003 530 | 2003 265 | Plant filing fee | |
| 1004 770 | 2004 385 | Reissue filing fee | |
| 1005 160 | 2005 80 | Provisional filing fee | |
| SUBTOTAL (1) | | (\$) | 0.00 |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | Independent Claims | Multiple Dependent | Extra Claims | Fee from below | Fee Paid |
|--------------|--------------------|--------------------|--------------|----------------|----------|
| | | | -20** = | X | |
| | | | - 3** = | X | |

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | |
|----------------------------|----------------------------|------------------------------------------------------------|------|
| 1202 18 | 2202 9 | Claims in excess of 20 | |
| 1201 86 | 2201 43 | Independent claims in excess of 3 | |
| 1203 290 | 2203 145 | Multiple dependent claim, if not paid | |
| 1204 86 | 2204 43 | ** Reissue independent claims over original patent | |
| 1205 18 | 2205 9 | ** Reissue claims in excess of 20 and over original patent | |
| SUBTOTAL (2) | | (\$) | 0.00 |

*or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Description | Fee Paid |
|---------------|---------------|----------------------------------------------------------------------------|----------|
| Fee Code (\$) | Fee Code (\$) | | |
| 1051 130 | 2051 65 | Surcharge - late filing fee or oath | |
| 1052 50 | 2052 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 130 | 1053 130 | Non-English specification | |
| 1812 2,520 | 1812 2,520 | For filing a request for ex parte reexamination | |
| 1804 920* | 1804 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 1,840* | 1805 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 110 | 2251 55 | Extension for reply within first month | 0.00 |
| 1252 420 | 2252 210 | Extension for reply within second month | |
| 1253 950 | 2253 475 | Extension for reply within third month | |
| 1254 1,480 | 2254 740 | Extension for reply within fourth month | |
| 1255 2,010 | 2255 1,005 | Extension for reply within fifth month | |
| 1401 330 | 2401 165 | Notice of Appeal | |
| 1402 330 | 2402 165 | Filing a brief in support of an appeal | |
| 1403 290 | 2403 145 | Request for oral hearing | |
| 1451 1,510 | 1451 1,510 | Petition to institute a public use proceeding | |
| 1452 110 | 2452 55 | Petition to revive - unavoidable | |
| 1453 1,330 | 2453 665 | Petition to revive - unintentional | |
| 1501 1,330 | 2501 665 | Utility issue fee (or reissue) | |
| 1502 480 | 2502 240 | Design issue fee | |
| 1503 640 | 2503 320 | Plant issue fee | |
| 1460 130 | 1460 130 | Petitions to the Commissioner | |
| 1807 50 | 1807 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 180 | 1806 180 | Submission of Information Disclosure Stmt | |
| 8021 40 | 8021 40 | Recording each patent assignment per property (times number of properties) | |
| 1809 770 | 2809 385 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 770 | 2810 385 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1801 770 | 2801 385 | Request for Continued Examination (RCE) | |
| 1802 900 | 1802 900 | Request for expedited examination of a design application | |

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

0.00

SUBMITTED BY

(Complete if applicable)

| | | | | | |
|-------------------|-------------|--------------------------------------|-----------|-----------|--------------|
| Name (Print/Type) | Winston Hsu | Registration No. (Attorney/Agent) | 41,526 | Telephone | 886289237350 |
| Signature | | Date | 4/21/2004 | | |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/02B (11-00)

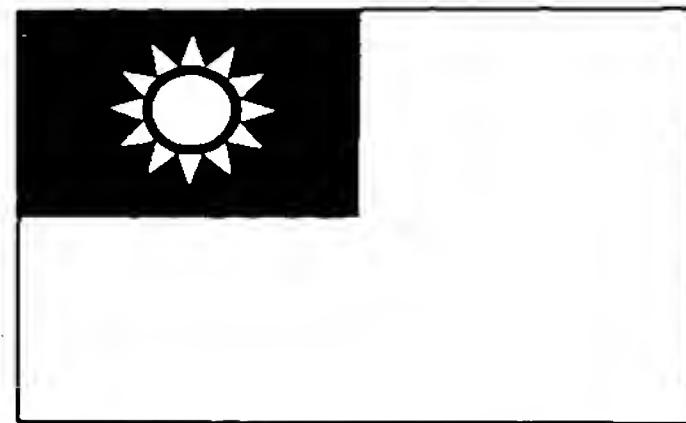
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
to a collection of information, unless it contains a valid OMB control number.

~~Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.~~

DECLARATION -- Supplemental Priority Data Sheet

Additional foreign applications:

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



中華民國經濟部智慧財產局

INTELLECTUAL PROPERTY OFFICE
MINISTRY OF ECONOMIC AFFAIRS
REPUBLIC OF CHINA

茲證明所附文件，係本局存檔中原申請案的副本，正確無訛，
其申請資料如下：

This is to certify that annexed is a true copy from the records of this office of the application as originally filed which is identified hereunder:

申 請 日 期：西元 2003 年 05 月 29 日
Application Date

申 請 案 號：092114632
Application No.

申 請 人：明基電通股份有限公司
Applicant(s)

局 長

Director General

蔡 緯 生

發文日期：西元 2003 年 7 月 18 日
Issue Date

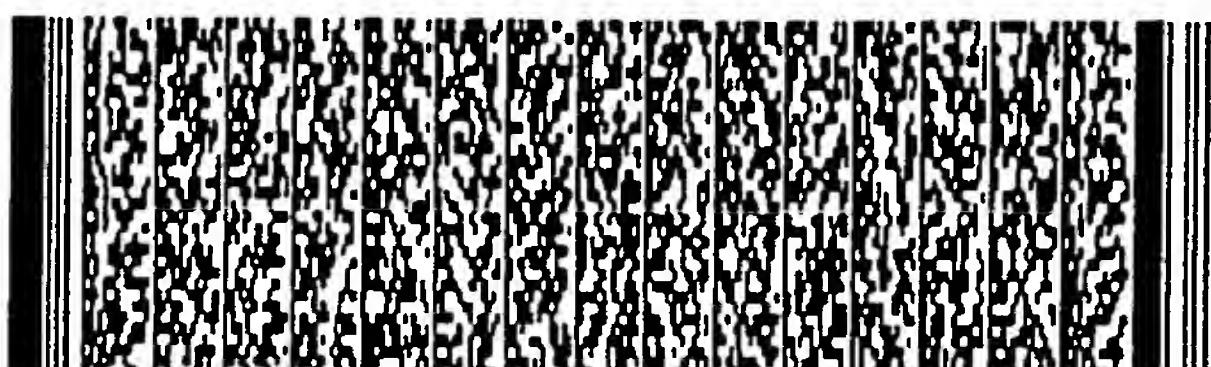
發文字號：09220721620
Serial No.

| | |
|-------|-------|
| 申請日期： | IPC分類 |
| 申請案號： | |

(以上各欄由本局填註)

發明專利說明書

| | | |
|-------------------|----------------------|------------------------------------------------------------------------------|
| 一 發明名稱 | 中文 | 光槍定位之照相機 |
| | 英文 | CAMERA PROVIDING A PHOTOGRAPHIC POSITION BY A LIGHT GUN |
| 二 發明人 (共1人) | 姓名 (中文) | 1. 曾振光 |
| | 姓名 (英文) | 1. Tseng, Cheng-Kuang |
| | 國籍 (中英文) | 1. 中華民國 TW |
| | 住居所 (中文) | 1. 宜蘭縣壯圍鄉壯五路三三九號 |
| | 住居所 (英文) | 1. No. 339, Chuang-Wu Rd., Chuang-Wei Hsiang, I-Lan Hsien, Taiwan, R.O.C. |
| 三 申請人 (共1人) | 名稱或 姓名 (中文) | 1. 明基電通股份有限公司 |
| | 名稱或 姓名 (英文) | 1. BenQ Corporation |
| | 國籍 (中英文) | 1. 中華民國 TW |
| | 住居所 (營業所) (中文) | 1. 桃園縣龜山鄉山鶯路157號 (本地址與前向貴局申請者相同) |
| | 住居所 (營業所) (英文) | 1. No. 157, Shan-Ying Road, Kweishan, Tao-Yuan Hsien, Taiwan, R.O.C. |
| 代表人 (中文) | 1. 李焜耀 | |
| 代表人 (英文) | 1. Lee, Kuen-Yao | |



四、中文發明摘要 (發明名稱：光槍定位之照相機)

本發明提供一種以光槍定位之照相機，該照相機包含有一用來擷取一構圖區影像之鏡頭、一用來投射一光點以定位出該構圖區之定位燈、以及一定位燈開關，可選擇性開啟該定位燈以投射該光點。當本發明照相機之定位燈被開啟時，該光點會被投射，以告知被拍攝者該構圖區域範圍。

五、(一)、本案代表圖為：圖二

(二)、本案代表圖之元件代表符號簡單說明

| | | | |
|-----------------|-------|----|------|
| 10 | 照相機 | 14 | 伸縮鏡頭 |
| 18 | 定位燈 | 20 | 攝影模組 |
| 22 | 步進馬達 | 24 | 齒條 |
| 26 | 定位燈連桿 | | |
| 28A、28B、28C、28D | 齒輪 | | |

六、英文發明摘要 (發明名稱：CAMERA PROVIDING A PHOTOGRAPHIC POSITION BY A LIGHT GUN)

A camera provides a photographic position by a light gun. The camera has a lens for catching a image area of a photograph, a light gun for casting a light point to position the image area, and a light-gun switch for selectively turning on the light gun to cast the light point. When the light gun is turned on, the light point will be cast to show the image area to a person who will

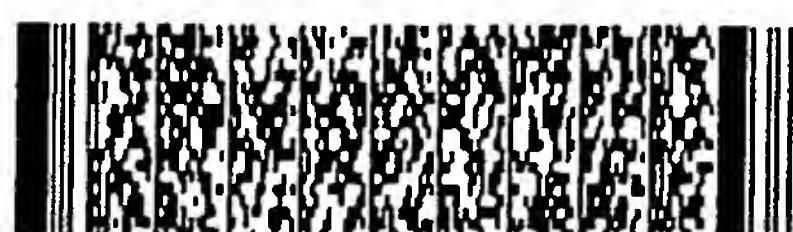


四、中文發明摘要 (發明名稱：光槍定位之照相機)

30 螺 桿

六、英文發明摘要 (發明名稱：CAMERA PROVIDING A PHOTOGRAPHIC POSITION BY A LIGHT GUN)

be taken a picture.



一、本案已向

國家(地區)申請專利

申請日期

案號

主張專利法第二十四條第一項優先權

無

二、主張專利法第二十五條之一第一項優先權：

申請案號：

無

日期：

三、主張本案係符合專利法第二十條第一項第一款但書或第二款但書規定之期間

日期：

四、有關微生物已寄存於國外：

寄存國家：

無

寄存機構：

寄存日期：

寄存號碼：

有關微生物已寄存於國內(本局所指定之寄存機構)：

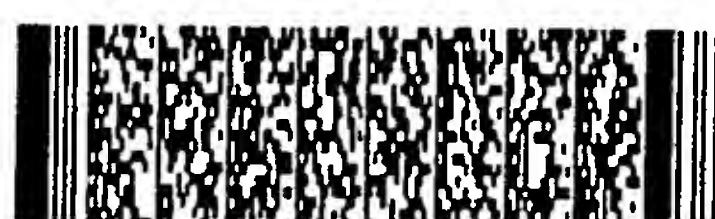
寄存機構：

無

寄存日期：

寄存號碼：

熟習該項技術者易於獲得，不須寄存。



五、發明說明（1）

發明所屬之技術領域

本發明提供一種照相機，尤指一種利用光束投影定位以告知被拍攝者攝影構圖區域之照相機。

先 前 技 術

必然是先拍。攝影者會完全理解攝影的結果，就是確定方式溝通情況，交給攝影機會影響攝影者。攝影者必須和攝影者溝通，其溝通構圖，將相機擬拍攝，再將鏡頭模擬拍攝，透過鏡頭位置，自己被攝影的溝通會耗費精神，也一定能使攝影時間，且不一定能被攝影者想掌握拍攝結果，就必是先拍。



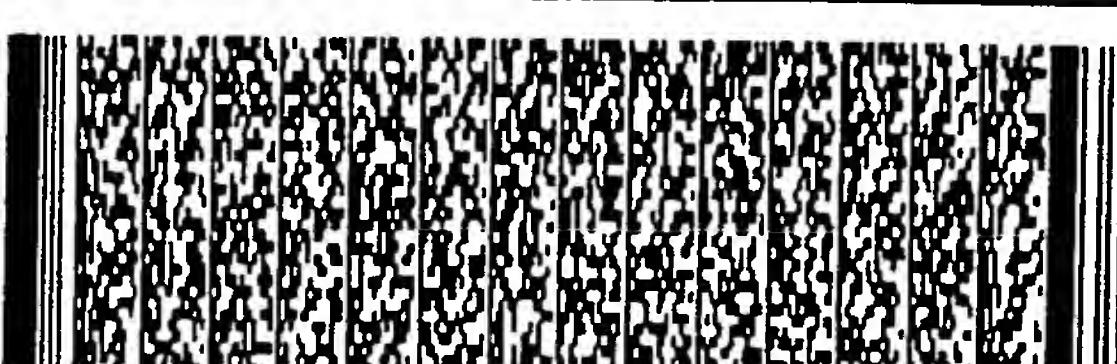
五、發明說明 (2)

被攝影者的意思，使拍攝結果達到被攝影者想要的效果，例如仍然有比例差距太大、半身或全身人像、或因為攝影者和被攝影者身材差異而造成取景不同等問題，傳統相機必須等沖洗出相片才知道拍攝的結果，拍攝不時可能造成底片的浪費。另外，由於數位相機上的液晶顯示 (liquid crystal display, LCD) 螢幕來決定照片之必及，被攝影者和攝影者也可能會藉由數位相機上的 LCD 螢幕來決定照片之構圖，但是在使用具有 LCD 螢幕的相機時，被攝影者也必須在拍攝結束後，才能從 LCD 螢幕中觀看拍攝結果，如有不滿意再決定是否重拍或去除該張照片，仍然很可能無法達到被攝影者對拍照畫面的要求。

由上述可知，在使用習知照相機進行拍照時，被攝影者無法有效掌握攝影構圖，只能仰賴攝影者之技術，或者必須花費時間和攝影者溝通，無法在攝影時就了解整個拍攝畫面。

發明內容

因此，本發明之主要目的在於提供一種內裝有光槍定位光源之照相機，以使被攝影者可進一步掌握構圖區，以確保照片品質，解決上述利用習知照相機拍照時的攝影構圖問題。



五、發明說明 (3)

本發明之申請專利範圍係提供一種照相機，該用來投定位。當以告知被拍攝者該構圖區域範圍。

該鍵，置於按門對段定位，燈該影接快行第一投影該機會避免。該設計，壓置在第一段定位，以輕位置在第二段定位，該機會以避免。



五、發明說明 (4)

由於本發明之照相機具有一定位燈，在攝影時可使該定位燈投射出的光點提示被攝影者照相機景範圍，使被攝影物、人員能依該光點快速到達定位，也可自己在該範圍內構圖，了解構圖進一步溝通，提高拍片中照片品質，不需在拍照前花費時間確認照樂趣。

實施方式

請參考圖一至圖三，圖一為本發明照相機 10 之示意圖，顯示於上方觀看之元件如鏡頭 14 位於照相機裝置 10 之示意图，顯示於下方觀看之元件如外殼 12、伸縮鏡頭 14、快門按鍵 16、定位燈開關 (未顯示) 以及步進馬達 22、齒條 24、齒輪 28A 至 28D、連桿 26、複數個齒輪 28A 至 28D 以及螺桿 30。攝影模組 20 分別與伸縮鏡頭 14 和步進馬達 22 相連接，包含有快門、上片器 (film advance) 等。

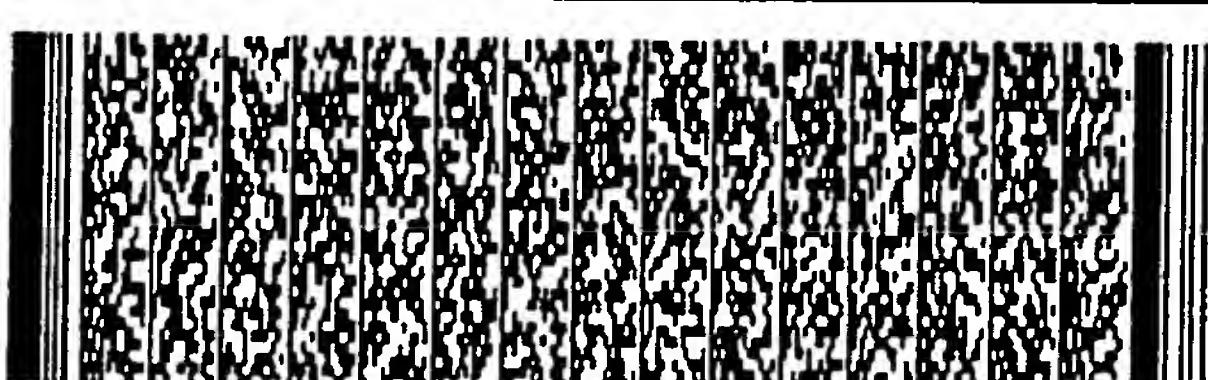
五、發明說明 (5)

機械裝置以及控制電路、自動對焦、閃光燈等電子裝置，提供照相機 10 對焦、取景、拍攝等功能，由於此部份並非本發明之重點，且為熟於此項技術者所悉知之部分，故不在此贅述。在攝影模組 20 下方的步進馬達 22、齒條 24、齒輪 28A 至 28D 以及螺桿 30 則是用於由伸縮鏡頭 14 所裝載之定位燈 18 在拍照時有效投射出適當的光點，藉由伸縮鏡頭 14 取景的運動，能使兩旁傾斜之定位燈連桿 26 依伸縮鏡頭 14 取景的遠近，自動調整光點之投射位置，以定位框線。

本發明照相機 10 之定位燈 18 使用模式說明如下。當攝影者使用照相機 10 拍照時，會調整伸縮鏡頭 14 進行步進輪 28A 順時針轉動，齒輪 28B 便會逆時針轉動，而在齒輪 28B 前方之螺桿 30 會帶動齒輪 28C 順時針轉動，使得齒輪 28C 下方之凸輪 32 也同樣順時針轉動，使定位燈連桿 26 向左旋轉，為頭部由故範圍內之景深移動，此設計係以斜景深所調之景深為角度，該角度為角解及景深之定位中心，且該旋轉之景深移動至者以被攝影者能掌握為角度，當左方之定位燈連桿 26 擺動時，齒輪 28C 會同時帶動齒輪 28D 逆時針轉

五、發明說明 (6)

動，致使齒條向右方之定位燈連桿推動，使左右兩定位燈之投射光點同時隨著伸縮鏡頭拍攝近物向前移動而向鏡頭的方向擺動。

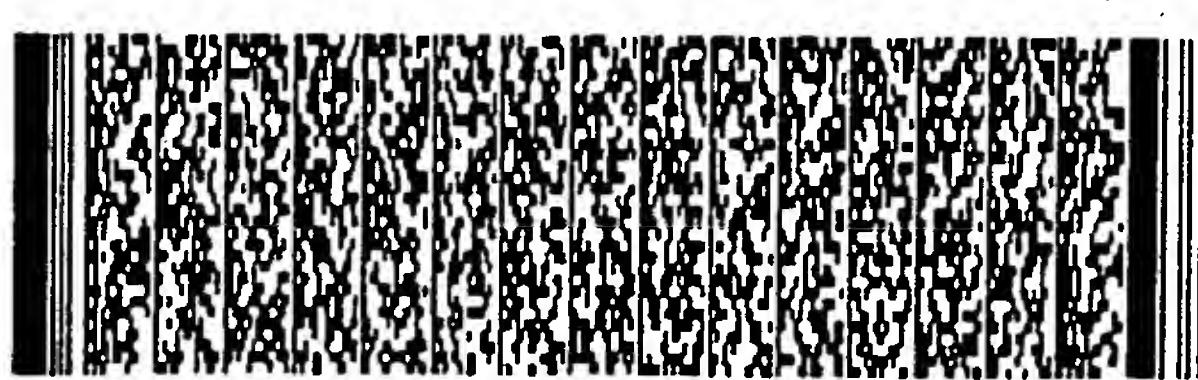
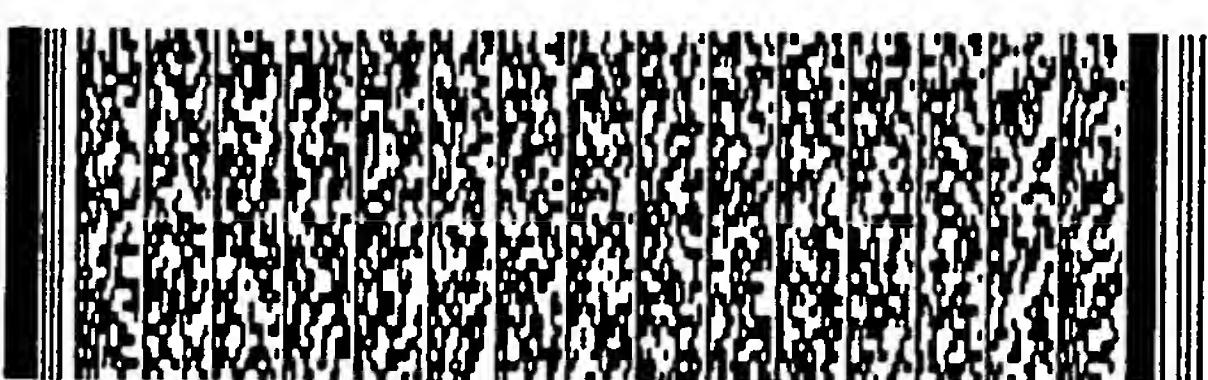


五、發明說明 (7)

神。此外，除了機械設計，也可以應用熟於此項技術者角度包之該，所以配合鏡頭取景之定位。另一方面而定。因此，在燈，一位光燈仍然出攝之一實機前側定位施例中，本間發區出兩側各投射一光點，以達到定位需求。

在發明之較佳實施例中，定位燈 18 為高亮度之 (light emitting diode, LED) 燈，經由周圍之二極體集中光束，投射在被攝物兩側形成二光點。為避免光反射過於集中，容易造成被攝物反射光束，同時達到清晰定位之功能。

請參考圖四、圖五及圖六，圖四為六景用相機 10 進行拍照時之遠行模式，當光束投射於影夾角之光點會落在照相機 10 上，圖五為六景用相機 10 進行拍照時之近行模式，當光束投射於影夾角之光點會落在照相機 10 上，圖六為六景用相機 10 進行拍照時之遠行模式，當光束投射於影夾角之光點會落在照相機 10 上。



五、發明說明 (8)

射的投部整之相二用可段被失
之內調影照制利也一鍵消
光相同出，動可位至門光響
筆機時攝若控以燈第按點。
般照也位例帶則定按快使影
利用再的有效側馬頭外鍵後斷點
機關係，頭能之步進鏡。此按然切光
機內鏡縮光相加位之對置快位會被射
相機縮光相加位之對置快位會被射
明於配合出於利用為投計投燈完全
發裝燈投加可機光鍵進行定位使定位會投
而之言定位使方向以焦鏡頭照側門位時定物景受投
簡，設計的方若兩快定位時之欲攝影
原構光範光影機合時第二開段欲攝影
原機射景為投桿配置至使

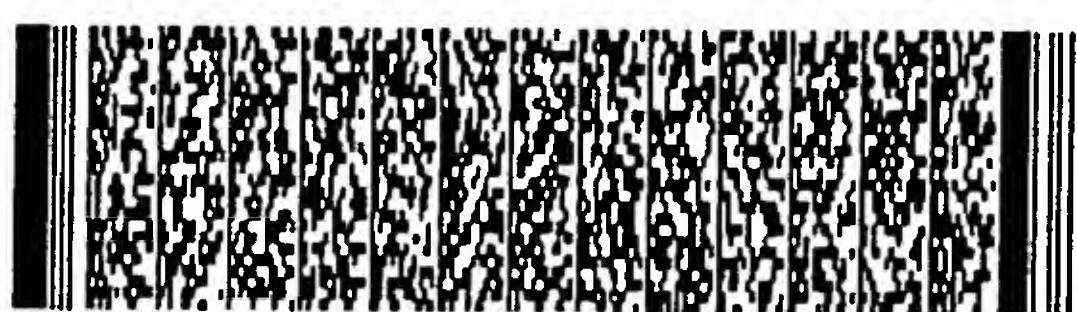
相較於習知照相機，本發明之照相機可以藉由定位燈使被攝影者瞭解掌握最小或最大攝影構圖區大小，讓



五、發明說明 (9)

被攝影物及人員快速到達定位，進一步可使被攝影者能掌握構圖區以確保照片品質，也免於耗費時間與攝影者溝通，可達到提高攝影樂趣之目的。

以上所述僅為本發明之較佳實施例，凡依本發明申請專利範圍所做之均等變化與修飾，皆應屬本發明專利之涵蓋範圍。



圖式簡單說明

圖式之簡單說明

圖一為本發明照相機之外視圖。

圖二為圖一照相機由後方觀看之內部裝置示意圖。

圖三則為圖一照相機由前方觀看之內部裝置示意圖。

圖四為圖一照相機進行拍照時之操作示意圖。

圖五為圖一照相機進行遠拍模式時取景框線和投射光點之示意圖。

圖六為圖一照相機進行近拍模式時取景框線和投射光點之示意圖。

圖式之符號說明

| | | | |
|-----------------|-------|----|------|
| 10 | 照相機 | 12 | 外殼 |
| 14 | 伸縮鏡頭 | 16 | 快門按鍵 |
| 18 | 定位燈 | 20 | 攝影模組 |
| 22 | 步進馬達 | 24 | 齒條 |
| 26 | 定位燈連桿 | | |
| 28A、28B、28C、28D | 齒輪 | | |
| 30 | 螺桿 | | |



六、申請專利範圍

1. 一種照相機，其包含：
一鏡頭，用來擷取一構圖區內之影像；
一定位燈，用來投射一光點至該構圖區之邊緣；以及
一定位燈開關，可選擇性開啟該定位燈以投射該光點；
如此當該光點被投射時，可告知一被拍攝者該構圖區之邊緣。
2. 如申請專利範圍第1項所述之照相機，其另包含一齒輪及一連桿裝置，安裝於該鏡頭及該定位燈之間，用來調整該定位燈投射該二光點的位置。
3. 如申請專利範圍第2項所述之照相機，其另包含一馬達，用來驅動該齒輪及連桿裝置。
4. 如申請專利範圍第1項所述之照相機，其中該定位燈係為高亮度之發光二極體(LED)。
5. 如申請專利範圍第1項所述之照相機，其包含二定位燈，安裝於該殼體之前側。
6. 如申請專利範圍第1項所述之照相機，其更包含一快門，與一快門鍵；其中該定位燈開關為該快門鍵之第一

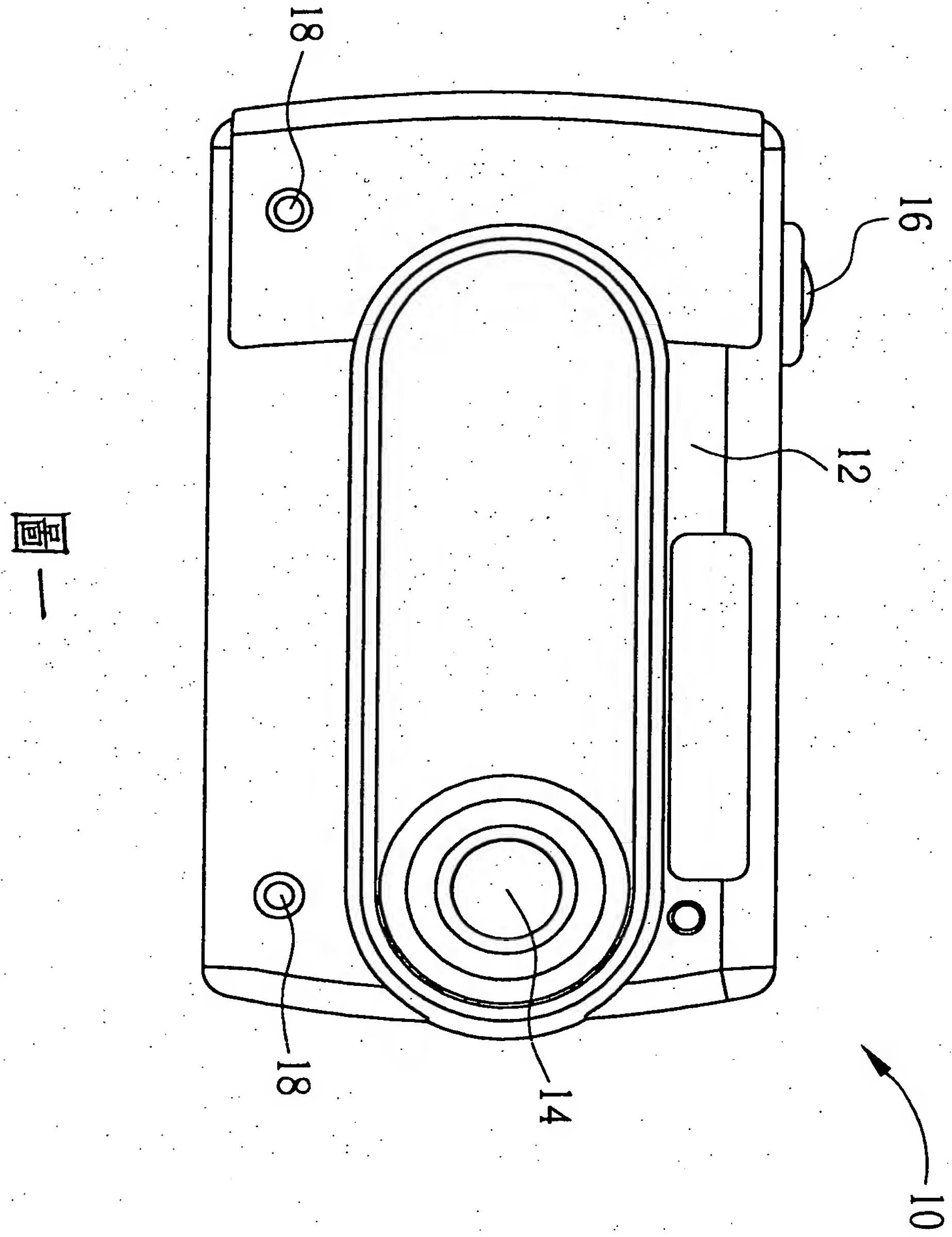


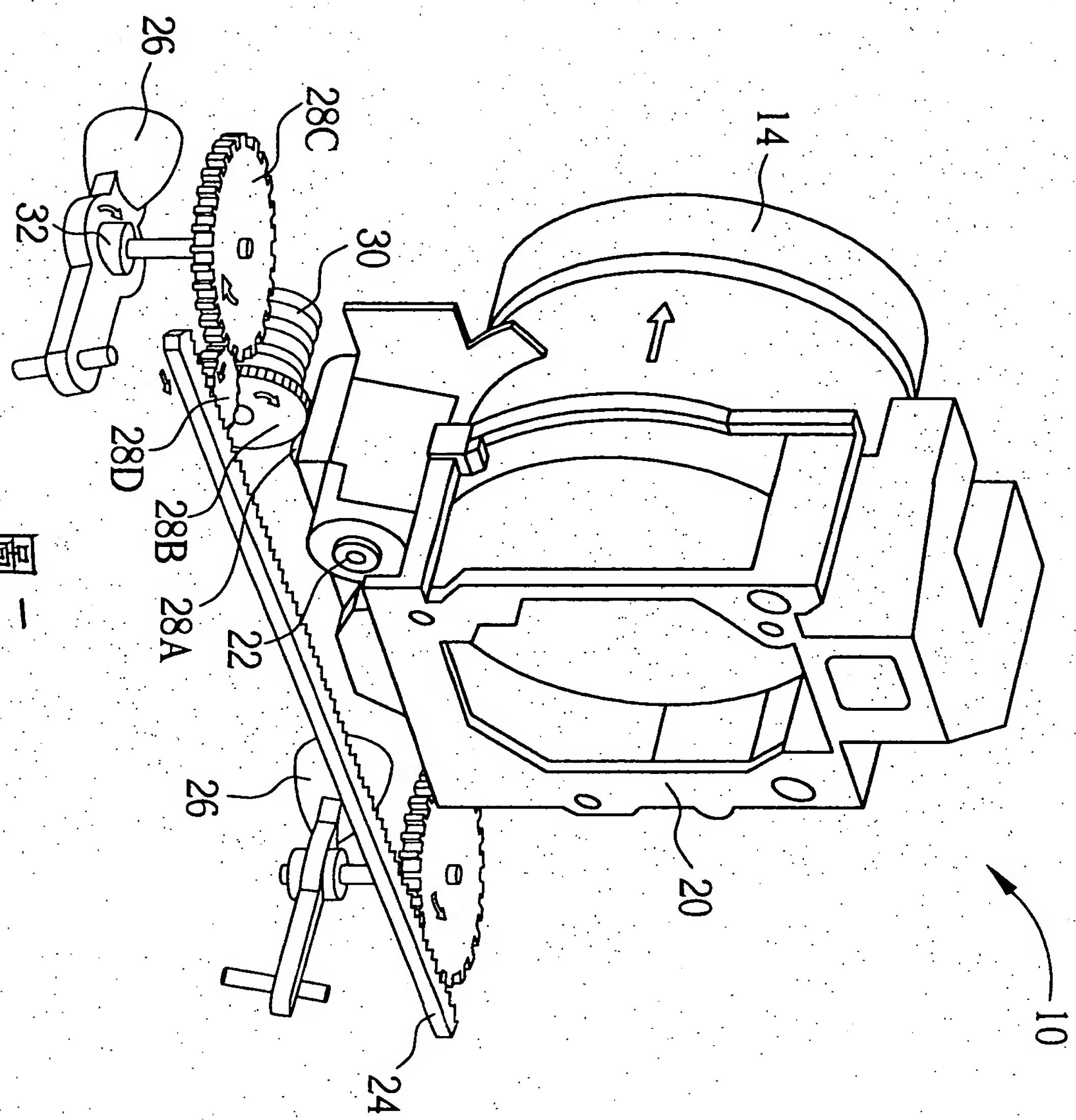
六、申請專利範圍

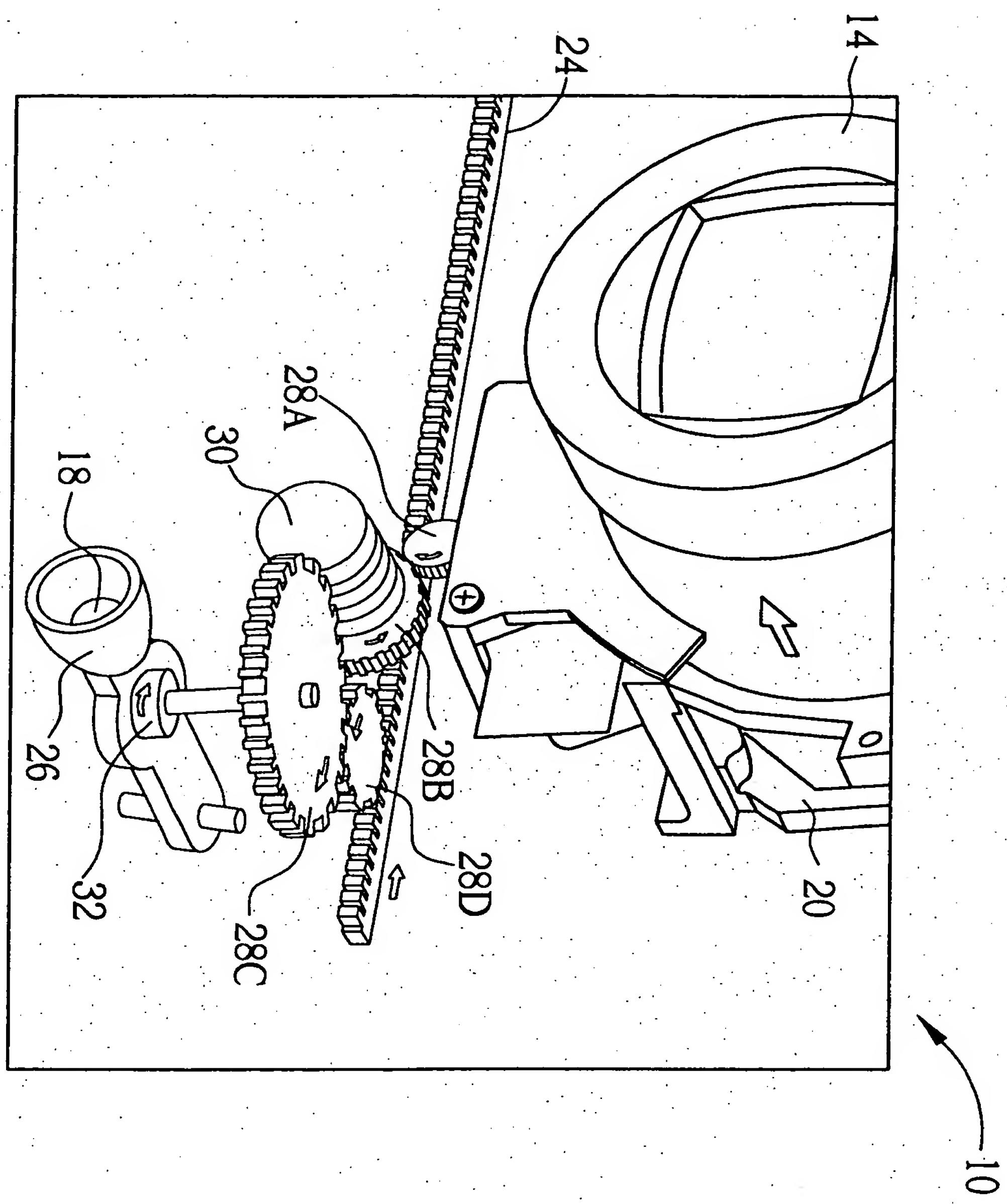
段開關，用來開啟該定位燈以投射該光點，而該快門鍵之第二段開關，用來關閉該定位燈並且開啟該快門使光線通過該鏡頭。

7. 如申請專利範圍第1項所述之照相機，其中該鏡頭為一變焦鏡頭，可選擇性改變該構圖區大小，而該定位燈會相對應於該構圖區大小改變而調整其位置，使該光點維持被投影至該構圖區之邊緣。

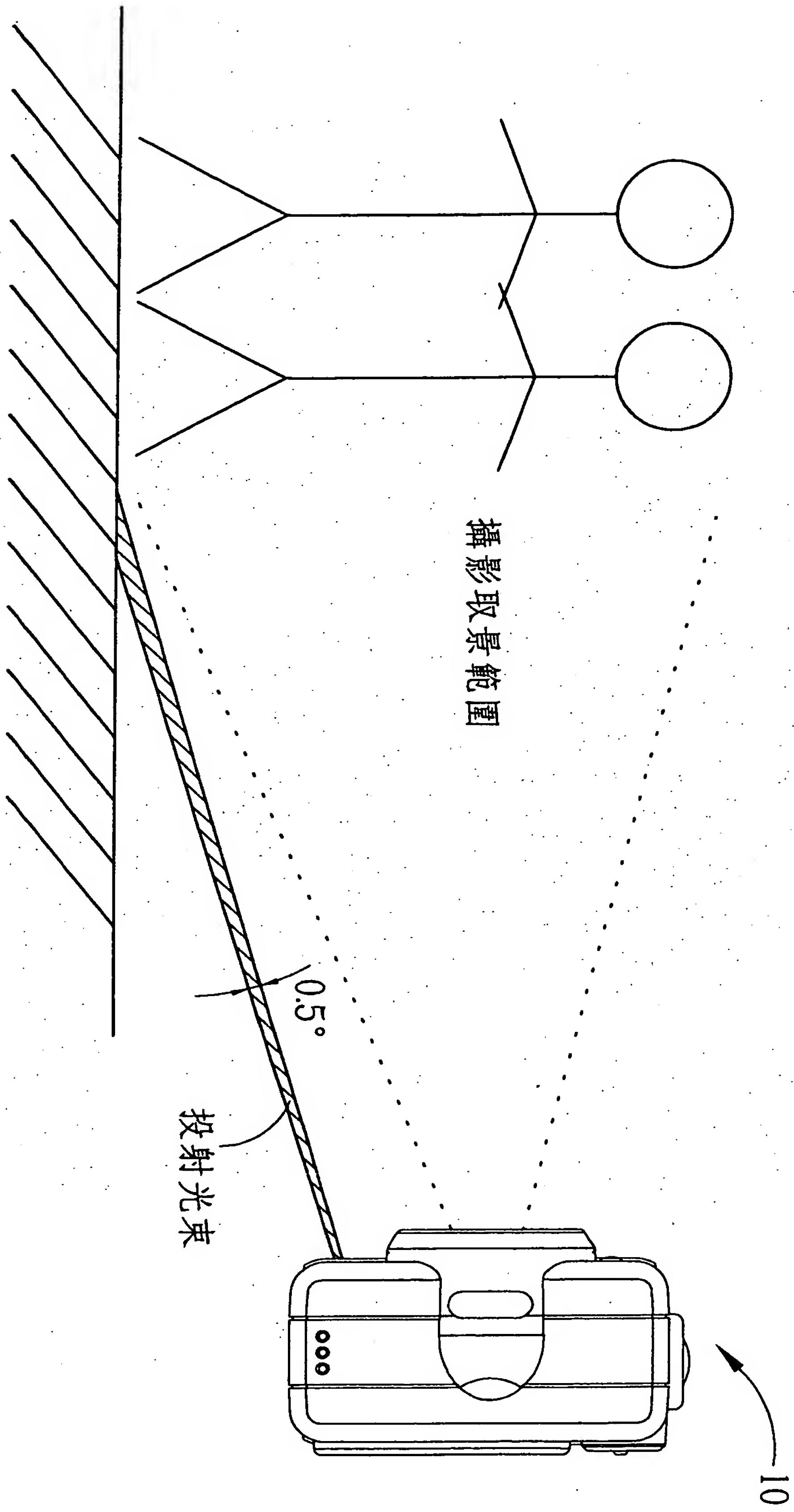




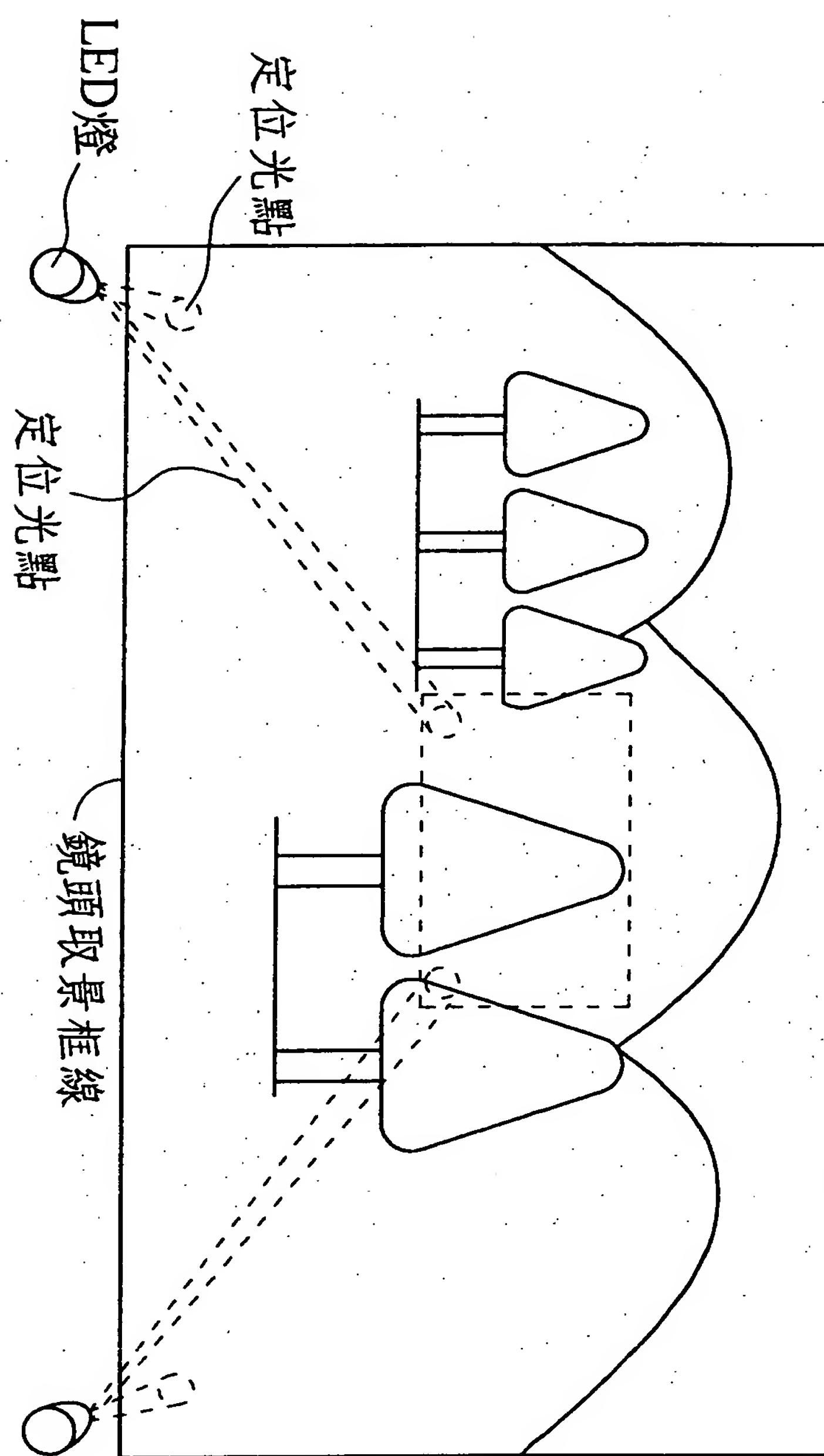




圖四

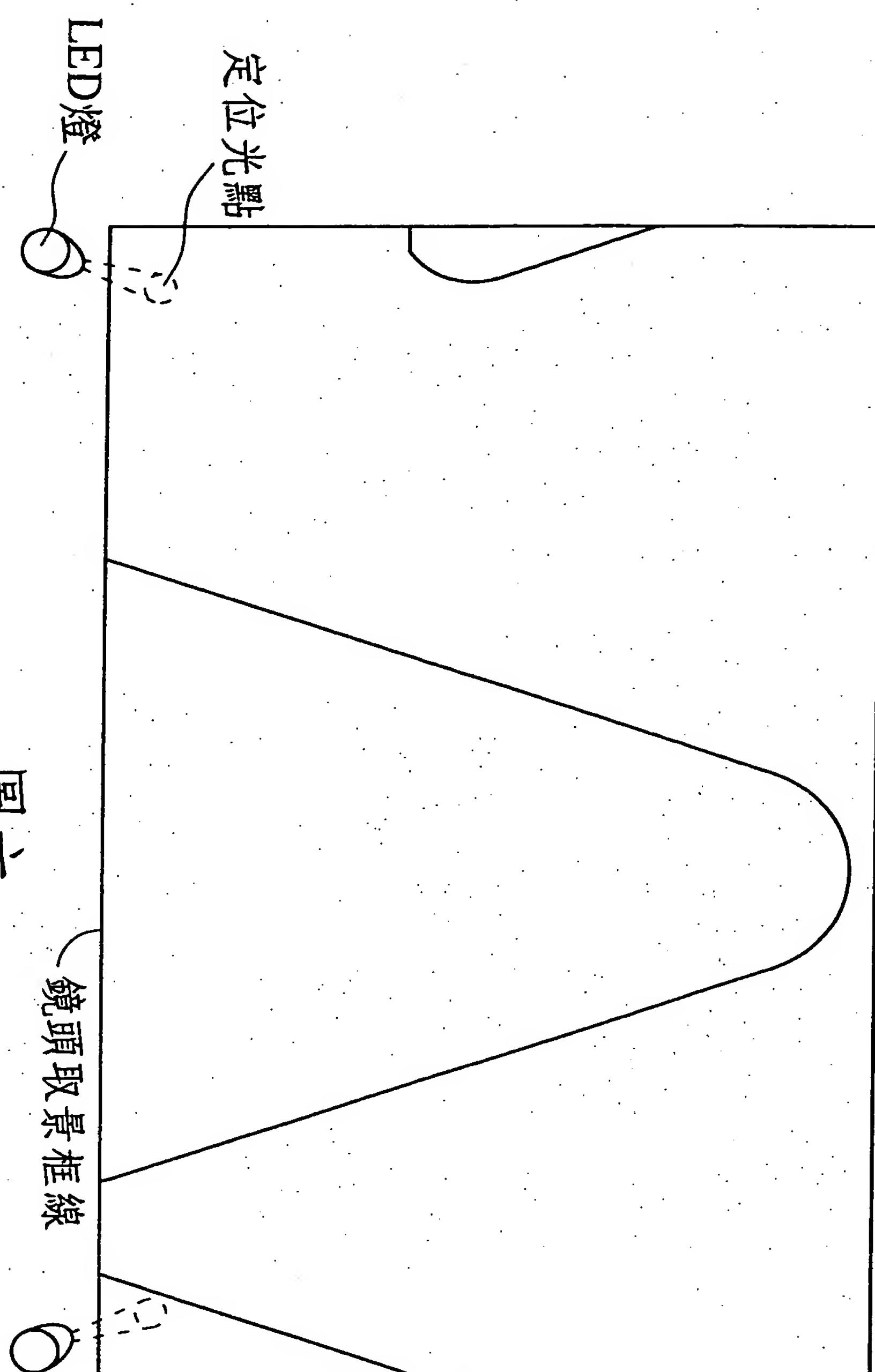


遠拍模式



圖五

近拍模式



圖六

第 1/16 頁

第 2/16 頁

第 2/16 頁

第 3/16 頁

第 4/16 頁

第 5/16 頁

第 5/16 頁

第 6/16 頁

第 6/16 頁

第 7/16 頁

第 7/16 頁

第 8/16 頁

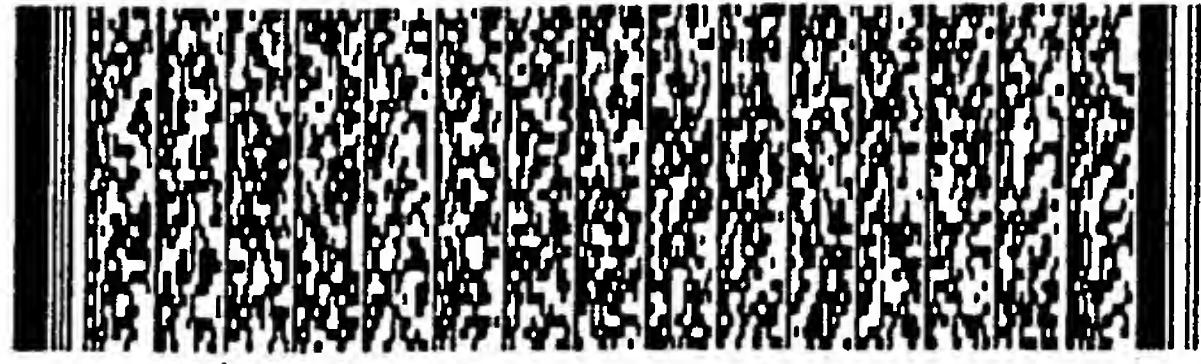
第 8/16 頁

第 9/16 頁

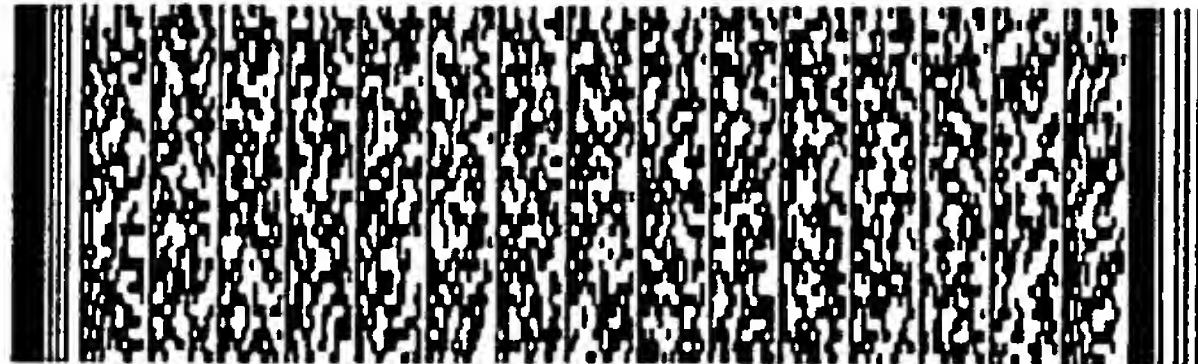
第 9/16 頁

第 10/16 頁

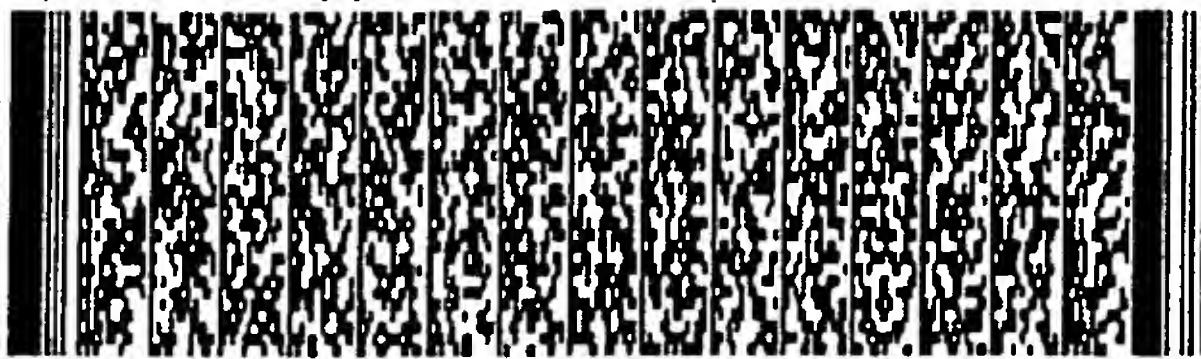
第 10/16 頁



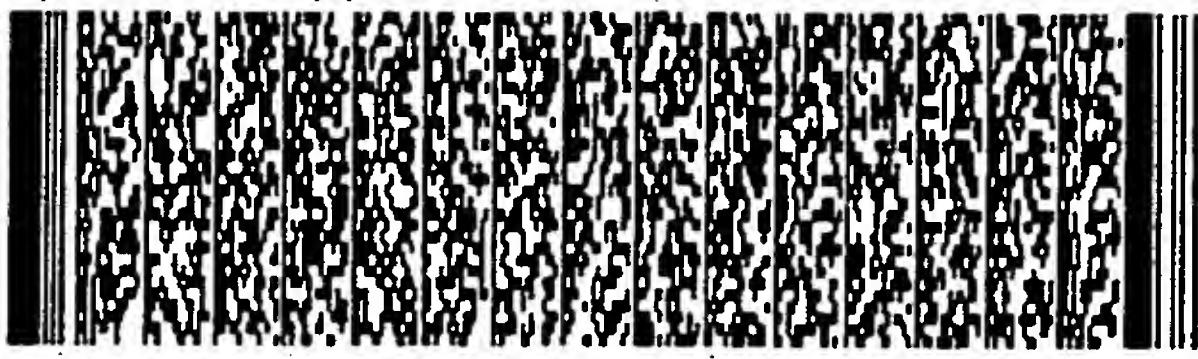
第 11/16 頁



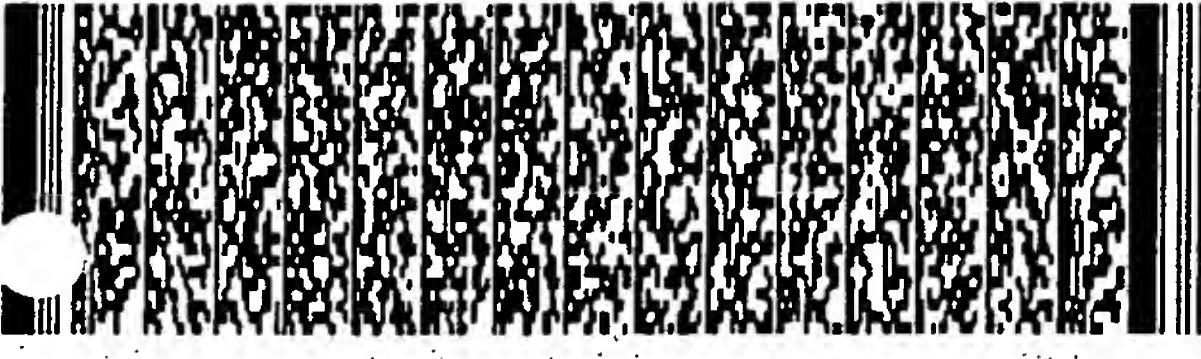
第 11/16 頁



第 12/16 頁



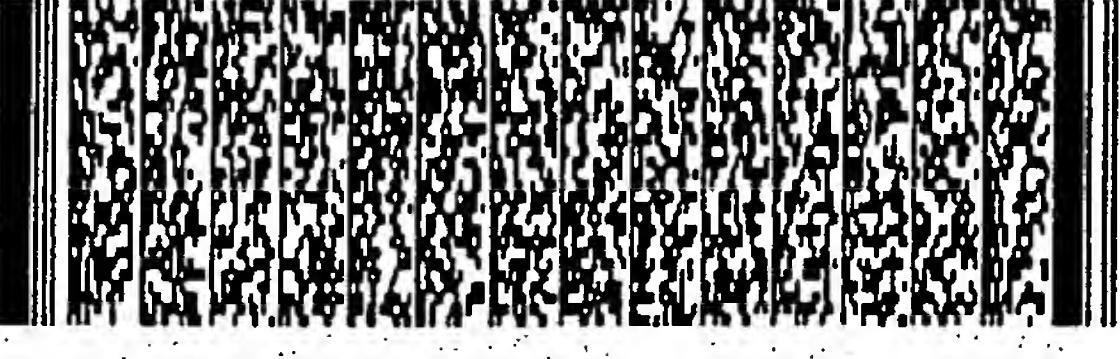
第 12/16 頁



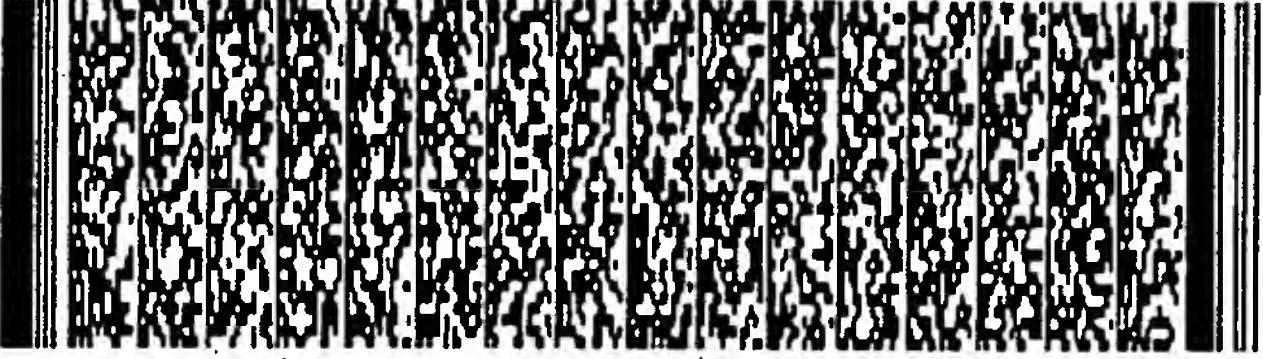
第 13/16 頁



第 14/16 頁



第 15/16 頁



第 16/16 頁

